

# KENWOOD

Dual size CD / MD receiver

## DPX-5300M

## Instruction Manual

Thank you for purchasing this product. Before using the product, please read this instruction manual carefully and use the product correctly as described. Also, please keep this instruction manual in a safe place. This machine is a model exclusively for Japan, so it cannot be used in foreign countries.

株式会社 ケンウッド  
KENWOOD CORPORATION

● Mastery!  
Functional operation

## Functional Operation

● If you read this, it's OK for the  
time being! Easy operation

## EZ Operation

Source selection / time adjustment

CD / MD / Changer mode

TUNER mode

Name Set

Display control

DSP control

Equalizer control

Audio control

Function

COMPACT  
disc  
DIGITAL AUDIO



MDLP

Help ? Operation  
? Word  
? MD Group

Help

# Contents

You can't operate it without reading here!  
The rules for reading this instruction manual are written.

## 本書の読みかた

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If you read this, it's OK for the  
time being! Easy operation

## EZ Operation

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When it doesn't work as expected If you  
come across a term you don't understand ...  
Help page in case of trouble!

## Help ? Operation ? Word ? MD Group

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Mastery! Functional operation

## Functional Operation

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Audio control

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Function set

Source selection / time adjustment

CD / MD / Changer mode

TUNER mode

Name Set

Display control

DSP control

Equalizer control

Audio control

Function

# 本書の読みかた

This instruction manual explains how to use this machine by dividing it into the following three blocks.

If you read this, it's OK for the time being! Easy operation

## EZ Operation

For those who want to use it immediately, the minimum required functions are explained as simply as possible.

If you read only here, you can use it for the time being.

Mastery! Functional operation

## Functional Operation

After learning EZ Operation, go here. All

features are explained step by step. If you read here, you will be able to use it fully.

## Help

? Operation

Explains the causes and countermeasures when it does not work as expected. Explains the terms displayed in the instruction manual and display.

? Word

Explains the search function of MD registered in a group.

? MD Group

In addition to these, there is an [Appendix] that explains how to install this unit.



The notation on the display and panel described in the instruction manual is a display example for smooth operation explanation. For this reason, it may differ from the actual equipment or may contain display patterns that are not possible in reality.

## About the mark in the text



Common operation  
Represents a common operation that does not involve a source.



Operation of disc  
Represents the operation of playing MD or CD. In this instruction manual, MD and CD are collectively called "disc".



Tuner operation Represents  
the operation of receiving FM / AM broadcasts.



Caution  
Indicates important precautions to prevent injuries.



Memo  
Indicates precautions to prevent damage to the machine. It also shows restrictions on functions and usage and advice on how to use it.

### Press briefly

Represents pressing a button.

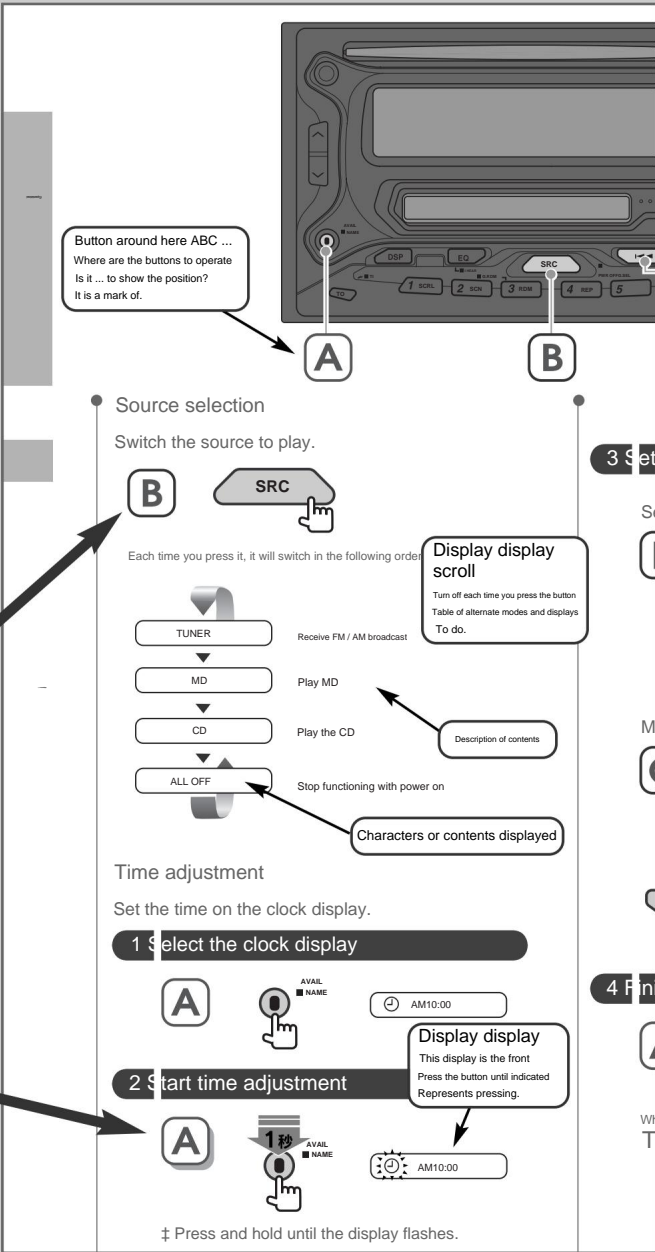


### Press for 1 second or longer

Indicates an operation that is pressed for 1 second or longer (2 seconds or longer when writing to memory).



Indicates that the button is held down until the operation starts or the display on the screen changes. Normally, press for 1 second. Also, press for 2 seconds to write to the memorial. The number of seconds to press can be displayed as a guide in the arrow.



The above mark notation example is different from the actual operation.

Source selection / time adjustment  
3 Set the CD / MD / Changer mode  
Set the "time"  
TUNER mode  
Name Set  
Display control  
Return  
DSP control  
Equalizer control  
Match "minutes"  
Audio control  
Function

Return  
move on

When the minute is adjusted, the count starts from 00 seconds.  
Tart

# 安全上のご注意

To use the product safely, please read "Safety Precautions" carefully before use.

About pictograms:

In this instruction manual, various pictograms are used to ensure the safe and correct use of the product and to prevent harm to you and other people and damage to property. The display and meaning are as follows. Please read the text after fully understanding the contents.



## 警告

Ignoring this indication and mishandling it may result in death or serious injury.



## 注意

Ignoring this indication and mishandling it may result in personal injury.

Example of pictorial display



Notice

⚠ Symbols indicate that there is content that calls attention (including warnings). Specific cautions are drawn in the vicinity.



prohibit

⊘ The symbol indicates that it is a prohibited act. Specific prohibited contents (disassembly prohibited in the case of the left figure) are drawn in or near the figure.



ÿ Shi

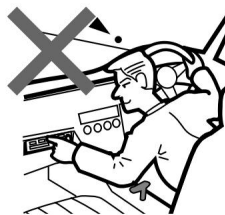
❗ Symbols tell you what to force or point to an action. Specific instructions are drawn in the vicinity.

Unless the customer or a third party is legally liable for any misuse of this product, any failure that occurs during use, any other malfunction, or any damage caused by the use of this product. Please note that we are not responsible for this.

To prevent traffic accidents, please be sure to observe the following items.



## 警告



ÿ Shi

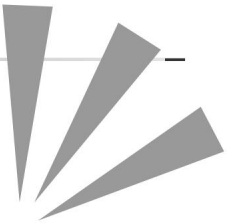
When the driver does any of the following, be sure to park the car in a safe place before doing so. • Car audio operation (volume control, disk insertion / removal, etc.)



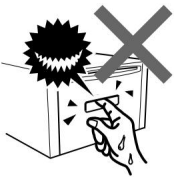
ÿ Shi



Use the volume while driving so that you can hear the sound outside the vehicle.



## ⚠ 注意



Do not

put your hands or fingers in the disc insertion slot. You may be injured.



Prohibition Do not allow water or foreign matter to get inside this product. It may cause smoke, fire or electric shock.



Do not

use prohibited products for any purpose other than in-vehicle use.



Prohibition Do not give a strong impact to this product. Since it uses glass parts, it may break and cause injury.

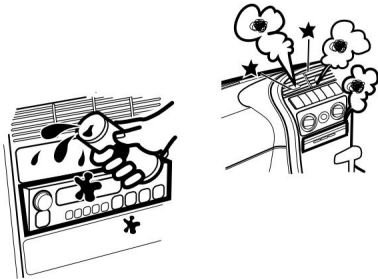


Actual

operation The installation and wiring of this product requires skill and experience. For your safety, please ask the store where you purchased the product.

stomach.

If any of the following problems occur, stop using the product immediately and contact the store where you purchased the product, Kenwood Service Center, or sales office. Continued use may cause a fire or other causes. • No sound • No display • Foreign matter entered • Water splashed • Smoke emitted • Strange smell



prohibit

Be sure to request repairs from the store where you purchased the product, Kenwood Service Center, or sales office. Repairs by the customer may cause a fire or other accident.



prohibit

Do not disassemble or modify the product. It may cause a fire or other accident.

# 使用上のご注意

## About the disk

### changer connected to this machine

A Kenwood disk changer released after 1998 can be connected to this unit. See the catalog for the models of disk changers that can be connected. • Kenwood disc changers made before 1997 and disc changers made by other companies cannot be connected. Connecting it may cause damage or malfunction.

Set the Kenwood disk changer with the "ON switch" to the "N" side. • The functions that can be used and the information that can be displayed may differ depending on the connected model.

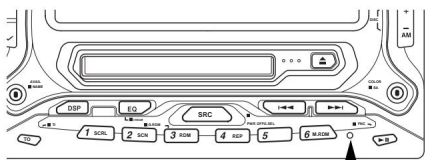
The DNPS function of this unit can store up to 10 sheets in the internal storage function of this unit. Also, the storage function built into the CD changer differs depending on the CD changer, so refer to the instruction manual of the CD changer.

Up to two disc changers can be connected by using the separately sold CD / MD changer switching unit "KCA-S210A". For more information on connections, see "Connections" (page 48) and See the instruction manual that came with the KCA-S210A.

## About care of the set

If the front panel of the machine becomes dirty, wipe it with a silicone cloth or a soft cloth. If it is very dirty, apply a neutral cleaner to the cloth, clean it, and then wipe off the detergent. If you spray the machine directly with a spray-type cleaner, it will damage the mechanical parts of the machine, or if you wipe it with a hard cloth, thinner, alcohol, or other volatile material, it will be scratched or the characters will disappear. there is.

If you notice an abnormality in the set If you notice an abnormality in the unit, first refer to Help (p.36) to find a solution. If you cannot find the solution, press the reset button of this unit with the tip of a pen.



Reset button

If the reset button does not return to normal, or in the following cases, turn off the power of this unit and consult the store where you purchased the product or your nearest Kenwood service center. • I cannot eject the CD or MD. • The indicator continues to blink even if the CD or MD is inserted correctly. • "AUX" is displayed without switching to disk changer mode even though a disc changer is connected.

- "AUX" is displayed when KCA-S210A and CA-C1AX are not connected.

## When attached to a car with an auto antenna

Radio antenna automatically stretches When installed in an auto-ante car, the vehicle's antenna automatically stretches when you switch to tuner mode or turn on the traffic information feature. If you enter a garage with a low ceiling, turn off the power of this unit or switch to a source other than FM / AM broadcasting.

## About the remote control used for this unit

For the remote control that can be used with this unit, refer to the catalog or contact the store where you purchased the product. The operation method is described in the instruction manual attached to the remote controller.



## Unusable CDs

CDs with special shapes cannot be used. Be sure to use a circular one. Using a non-circular CD may cause a malfunction.



CDs with colored or dirty recording surfaces (the opposite side of the label surface) may malfunction, such as not being pulled in or ejected.



Use CDs without a mark

Please do not use.

CD-Rs that have not been finalized and CD-RW cannot be played. (For the finalization process, refer to the instruction manual of your CD-R / CD-RW writing software or CD-R / CD-RW recorder.) In addition, CDs recorded on CD-R or CD-RW. May not be playable depending on the recording status. • If you use a CD with a sticker on the label surface, the CD may be deformed or the sticker may come off. Do not use a CD with a sticker on the label side, as it may cause a malfunction of the unit.

Do not use a CD-R / CD-RW that can be printed on the label side with an inkjet printer. If you use it, it may malfunction.

## About lens cleaner

Do not use a lens cleaner. It may cause a malfunction such as damage to optical system parts or failure to eject.

## About temperature

If you close the windows in direct sunlight, the temperature inside the car will be very high. If the temperature inside the unit exceeds 60 ° C, the protection circuit will work and you will not be able to play the disc. In such a case, lower the temperature inside the car. The protection circuit function is canceled and you can play. If it does not work properly, press the reset button.

## About condensation

Dew (water droplets) may form on the inside of the unit, such as immediately after turning on the heater when it is cold. This is called dew, and in this state the disc cannot be read. In such a case, remove the disc and leave it for about 1 hour to remove the condensation. If it does not work properly after hours, please contact the place of purchase or the Kenwood Service Center.

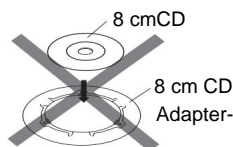
## About CD accessories

Do not use disc accessories (stabilizers, protective sheets, lens cleaners, etc.) for the purpose of improving sound quality and disc protection as they may cause malfunction.



Insert the 8cm CD as it is without using the adapter. Using an 8cm CD adapter may cause a malfunction such as the disk not being able to be removed. If you want to use an 8cm CD with the connected CD changer, please use the separately sold 8cm CD magazine.

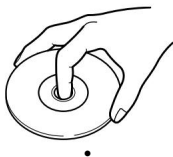
©2004 Kenwood



# CDとMDの取り扱い

## About handling of CD

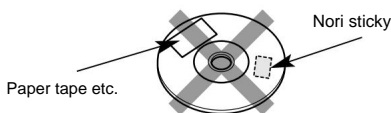
Dirt, dust, scratches, and warpage of the CD may cause malfunctions such as skipping and deterioration of sound quality. Do not touch the recording surface when handling. (The side where the label is not printed is the recording side)



CD-Rs and CD-RWs have a weaker reflective film than ordinary music CDs, so they may come off due to scratches. It is also a media that is vulnerable to skipping due to fingerprints. Please handle with care. Detailed notes are also written on the CD-R and CD-RW packages. Please read those notes before using.

- Do not put paper tape on the recording surface or the surface on which the label is printed.

Do not use CDs with cellophane tape, rental CD labels, or other glue that sticks out or has peeled marks. If you put it on the CD player as it is, the CD may not be ejected or it may break down.

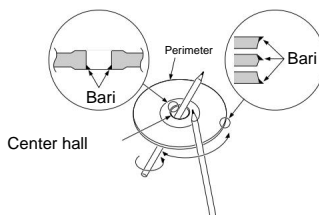


## Save CD

Do not place it in a hot place such as in direct sunlight (on a seat or dashboard). In particular, CD-Rs and CD-RWs are more vulnerable to high temperature and humidity environments than ordinary music CDs, and some discs may become unusable if left in the car for a long time. • If you do not play for a long time, remove the CD from the unit and store it in a case. Do not stack it in a case or lean it against it as it may cause scratches, dirt, or warpage.

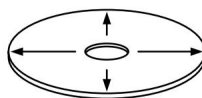
## When using a new CD

When using a new CD, make sure there are no "burrs" in the center hole or perimeter of the CD. If you use it with "burrs" attached, you may not be able to insert the CD or it may cause skipping. If there are "burrs", remove them with a ballpoint pen before using.



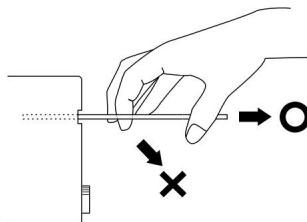
## Care for the CD

If the CD becomes dirty, wipe it gently from the center to the outside with a commercially available cleaning cloth or a soft cotton cloth. Never use conventional record cleaners, antistatic agents, or chemicals such as thinner or benzene.



## How to remove the CD

When removing the CD from this unit, pull it out horizontally. Pushing it down strongly and pulling it out may damage the recording surface of the CD.

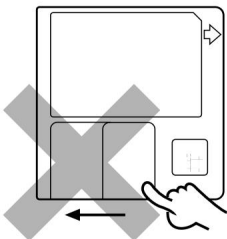


## MD care

Wipe off any dirt or debris on the surface of the cartridge with a dry cloth before use. Especially when used with oil stains, the disc may not be loaded or may not be ejected. Also, when cleaning, be careful not to open the shutter.

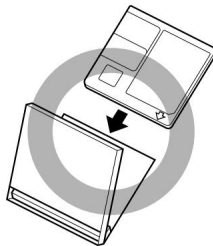
## About MD shutter

The MD shutter cannot be opened. If you forcibly open it, the cartridge will be damaged and you will not be able to use it. If the shutter opens for some reason, do not touch the recording area with your finger. If you touch the recorded part, you will not be able to use it, or you will frequently skip sounds.



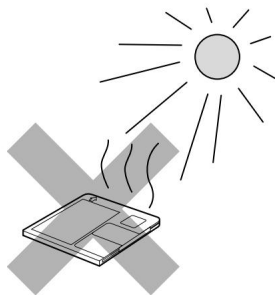
## About storage

Do not leave the MD in this unit for a long time. Also, store the removed MD in a special MD case.



Beware of high temperatures

Do not leave the MD in a place where the temperature is high, such as in a place exposed to direct sunlight (such as on a dashboard). The MD cartridge will be deformed and cannot be used.



# EZ Operation



CD operation

## Playing discs is easy! Just insert the disc.



Turn the power on / off.

Press to turn on the power.

Press for 1 second or longer to turn off the power.



Switch between CD / MD play and FM /

AM broadcast.

Press when a disc is inserted to broadcast FM / AM,  
Switches to MD, CD, and ALL OFF.

When an MD is inserted, the indicator lights up, and  
when a CD is inserted, the indicator lights up. (Source  
selection page 14)



When playing MD ... Insert the MD you  
want to play.



• You can play this unit by inserting an MD recorded with MDLP.

The "MDLP2" indicator lights up when the MD being played is  
in LP2 mode, and the "MDLP4" indicator lights up when the MD  
is in LP4 mode. • Since this unit is equipped with a group  
management function, you can quickly search for the song you  
want to listen to using the search function of the MD registered  
in the group. For details, see "Help? Word"

See "Group" (page 42).



Turn up the volume.



Turn down the volume.



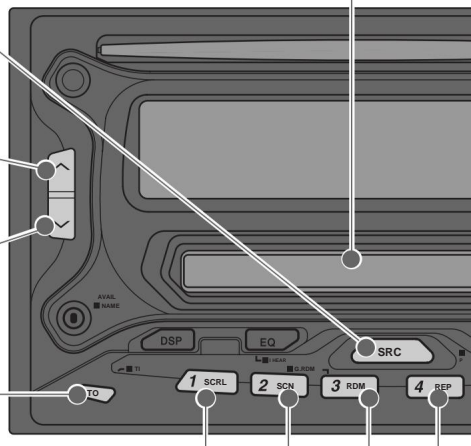
Quickly turn down the volume.

Press it again to return to the original  
volume. The indicator flashes when the attenuator is  
on.



Press for 1 second or longer to receive traffic

information. Press it again for 1 second or longer to  
restore it.



Select a station that is stored in memory. Press  
for 2 seconds or longer to memorize the receiving  
station in the button.



• For your safety, listen at a volume that allows you to hear the  
surrounding sounds. • Perform all operations with the power turned on.



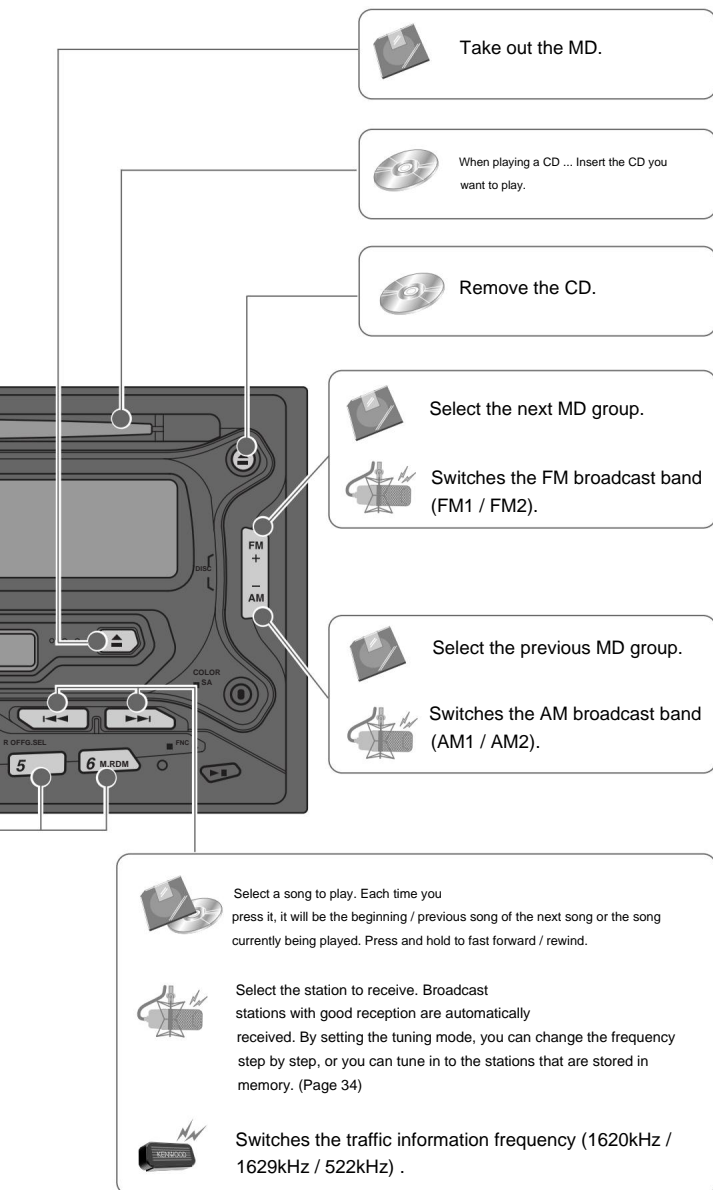
MD operation



Tuner operation



Common operation



Source selection / time adjustment

CD / MD / Changer mode

TUNER mode

Name Set

Display control

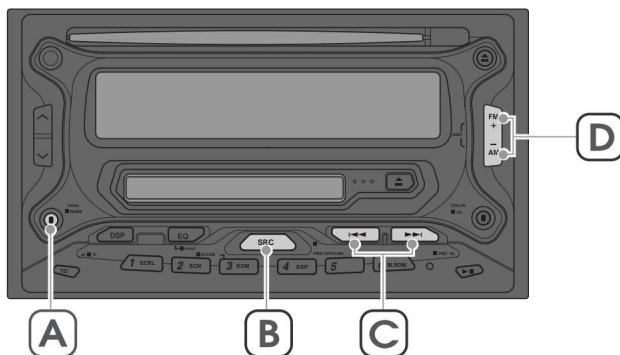
DSP control

Equalizer control

Audio control

Function

# ソースセクション /

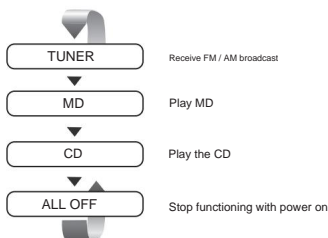


## Source selection

Switch the source to play.

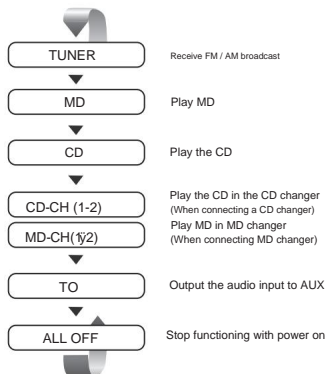


Each time you press it, it will switch in the following order.



## When an optional unit is connected

It will switch in the following order.



- Connect the separately sold KCA-S210A or CA-C1AX  
And "AUX" are displayed, and the AUX input sound is output.  
You can force.
- The AUX source connected to the separately sold CA-C1AX is  
Select "DISC-CH". Then "AUX"  
It will switch to.

# 時刻調整

## Functional operation

Select the source to play.  
Also, adjust the time on the clock display.

### Time adjustment

Set the time on the clock display.

#### 1 Select the clock display



For details on how to display the clock, refer to "Switching the display display" (page 24).

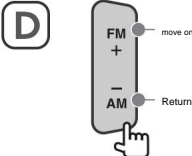
#### 2 Start time adjustment



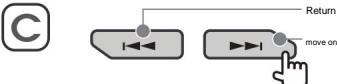
‡ Press and hold until the display flashes.

#### 3 Set the time

Set the "time"



Match "minutes"

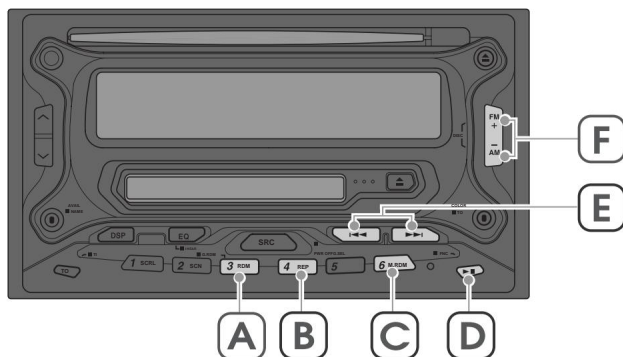


#### 4 Finish the time adjustment



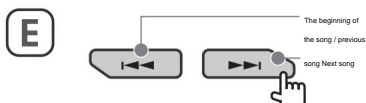
Counting starts from 00 seconds.

# CD/MD/Changer モード



## Track search

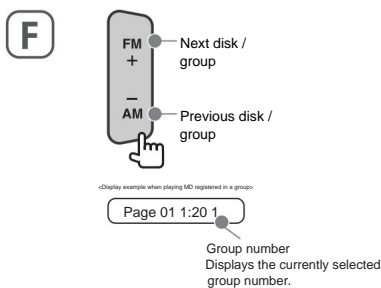
Select songs in order.



## Disk / group search

(Disk changer, group registered MD only)

Select the disc and group to play.



- The "10" th disk number is displayed as "0".
- The last digit of the group number after the "10" is displayed. It will be.

## Pause

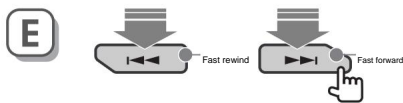
Pauses the song currently playing



Press it again to resume play.

## Manual search

Fast forward / rewind the song currently being played.



Fast forward / rewind only while the button is pressed.

## Track / disc / Group repeat play

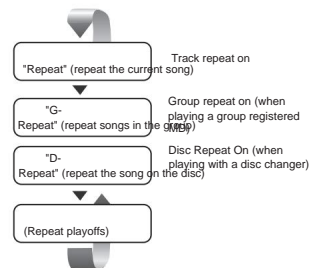
The song or disc you are currently listening to, within the group

Play the song repeatedly.



Each time you press it, it turns on / off as follows.

- Turns on and D.REP inge during disk repeat
- The kata lights up.





Play with various functions on a CD, MD or an optional disc changer.

See EZ Operation (page 12) for basic CD / MD listening.

**Random play** Plays the songs on the current disc in random order.



Each time you press it, random play turns on and off. **The RDM indicator lights up during random play .**

- Press to randomly select the next song.
- Group search is not possible during random play

Hint:

**Magazine random play**  
(Disc changer only)

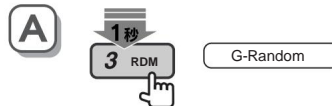
Play in random order from the discs set in the disc changer.



Each time you press it, the magazine random play turns on / off. When the magazine random play is on, the M.RDM indicator lights up.

- Press to randomly select the next song.

**Group Random Play** (Group registered MD only) Plays songs in the group in random order.



Press and hold until "G-Random" is displayed. The RDM indicator lights up during group random play .

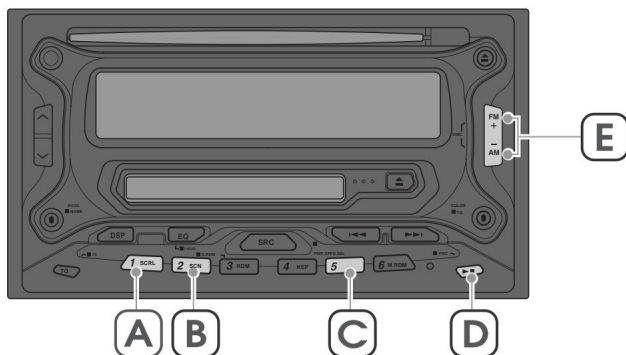
- Press to randomly select the next song.

**Turn off group random play**



The RDM indicator goes off.

# CD/MD/Changer モード



Play the beginning of each song on the scan play disc for 10 seconds to find the song.

## 1 Start scan play



**During scan play, the SCN indicator lights up and the track number flashes.**

## 2 Where you want to listen ...



It will be played from that song.

- When all tracks are scanned, the scan play will end automatically.

## Text scroll

(Disk changer only)

Scrolls the text displayed on the display. When the setting is "Manu", the text is scrolled.

## 1 Display text

Refer to "Switching the display display" (page 24) to display the text.

## 2 scroll



The displayed text scrolls once.

- If you perform the above operation when the scroll setting is set to "Auto", the text will start scrolling from the first character. See "Function Set" (page 34) for scroll selection methods.

See "SCL" in "Help? Word" (page 43).

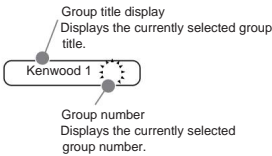
Group select (group registered MD only)

Contains the song you want to listen to by displaying the group name  
Select a group.

1 Set to group select mode

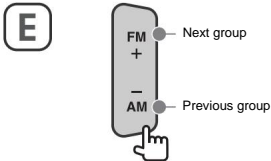


The following will be displayed on the display.  
Group number display is a point during group selection  
It is extinct.



The last digit of the group number after the "10" is displayed.  
It will be.

2 Select a group



Each time you press, go to the next group / previous group  
And move.

3 In a group that contains the songs you want to listen to ...

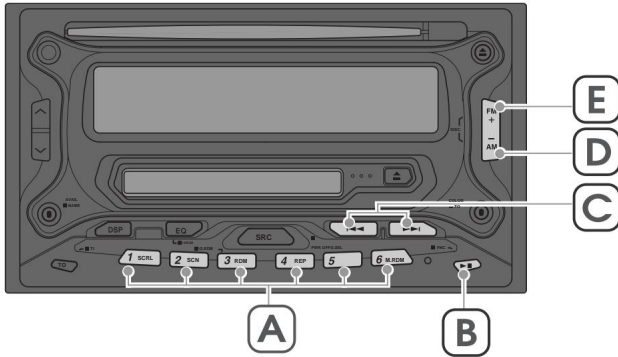


Group select mode ends and the guru  
The first song in the loop will be played.

When canceling group selection ...



# TUNER モード



## Band switching

Switch to FM1 and FM2.



Switch between AM1 and AM2.



## Tuning Select the station to receive.

### 1 Choose a band

Select a band by referring to "Band Switching" above.

### 2 Select a broadcasting station



When the tuning mode is "Auto 1" (AUTO 1 indicator is lit), the station with good reception is automatically selected.

When the tuning mode is "Auto 2" (AUTO 2 indicator is lit), the stations stored in memory are received in numerical order.

When the tuning mode is "Manual", the frequency changes by one step each time it is pressed.



- Tuning mode is "function set"  
You can select it on page 34.
- When FM stereo broadcast is received, the ST indicator lights up. • If the FM stereo broadcast reception is poor, you may find it easier to listen by switching to monaural audio in the "MONO" section of the "Faction Set" (page 34). Also, when switching to monaural sound, the indicator lights up. **mc**

Manual memory The broadcasting station that is receiving is memorized.

### 1 Choose a band

Select a band by referring to "Band Switching" above.

### 2 Select a broadcasting station



### 3 Select the number to be memorized (any of 1 to 6)



F1 84.7 2ch

Press and hold until the button number display flashes once.

## Receive FM / AM

broadcasts. You can also memorize up to 6 stations for each band.

See EZ Operation (page 12) for how to listen to basic FM / AM broadcasts.

### Auto memory

A station with good reception is automatically selected and stored in memory.

#### 1 Choose a band

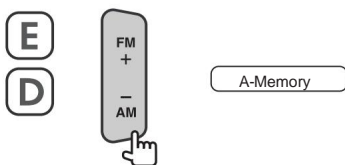
Select a band by referring to "Band Switching" above.

#### 2 Set to function set mode

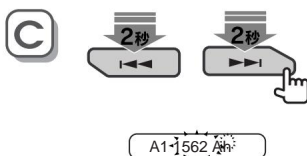


Press and hold until "Function" is displayed.

#### 3 Select the auto memory item



#### 4 Start auto memory



Press and hold until the frequency is displayed. Auto memory will end automatically when 6 stations are stored or the frequency goes around once.

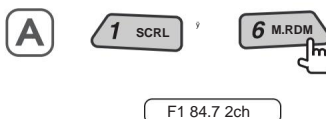
### Preset tuning

Receives the station that is stored in memory.

#### 1 Choose a band

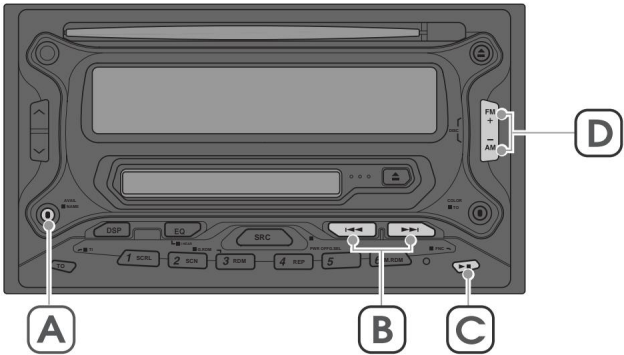
Select a band by referring to "Band Switching" above.

#### 2 Select the number (1 to 6) stored in memory.



The number of the pressed button is displayed in the memory number, and the frequency stored in memory is recalled.

# Name Set



## DNPS (disc name preset) / SNPS (Station Name Preset)

Give your CD or FM / AM broadcast station a name.

### 1 Select the CD / broadcasting station to name

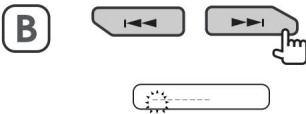
- Clock is displayed, scan play, magazine DNPS / SNPS cannot be performed during Ndam play.
- The same applies to the broadcasting station receiving during the traffic information mode. You can give it a name by operating.
- MD cannot be named.

### 2 Set to name set mode



Press and hold until "Name Set" is displayed.

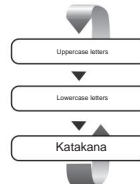
Move the cursor to the position where you want to enter 3 characters



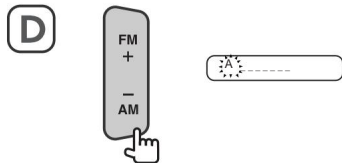
### 4 Select the character type



Each time you press it, it will switch in the following order.



### Choose 5 letters



### 6 Repeat steps 3 to 5 to enter all the characters.

You can name and display the CD set in the FM / AM broadcasting station, the built-in CD player of this unit, and the CD changer (sold separately).

## 7 Exit the name set mode



- If you do not operate anything for 10 seconds or more, the name at that point is confirmed.
- You can register up to 8 characters for the name.
- CDs are identified by the number of tracks (number of songs) and the total recording time. Therefore, if they are the same CD, they cannot be identified.

- DNPS / SNPS will be erased when removed from the battery

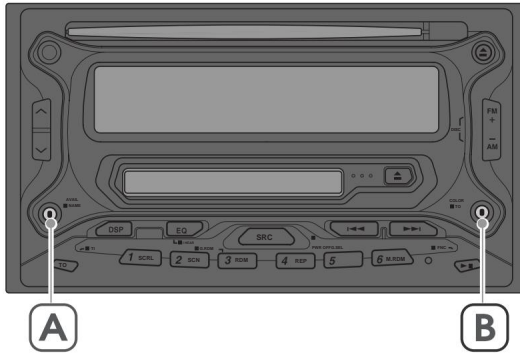
image

- Number of discs for which disc names can be set  
Depends on the connected CD changer. For details, see the instruction manual that came with the CD changer. • This unit and the disk changer have their own memories.

I remember the name with. Therefore, inside the machine  
Discs named discs in a CD player  
DNPS is not displayed when playing with the changer.

- To change the registered name, display the name of the CD or broadcasting station you want to change, and then follow steps 2 to 6. • The number of stations that can be registered with SNPS is FM broadcasting stations and AM broadcasting.  
There are 30 stations in total.
- Up to 10 DNPSs can be registered with the built-in CD player of this unit.  
I can do it.

# ディスプレイコントロール



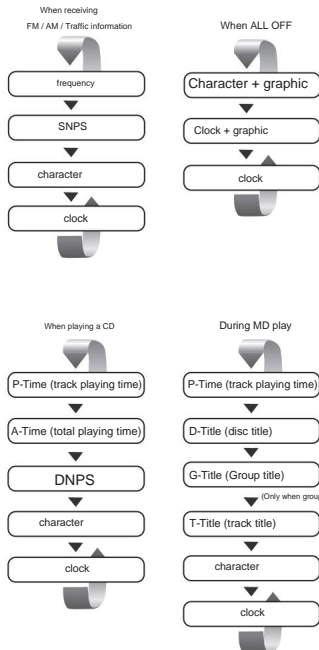
## Display display switching

Toggles the information shown on the display.

A



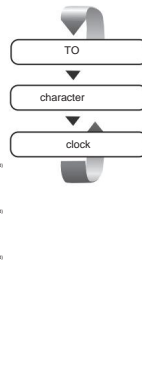
Each time you press it, it will switch in the following order.



When playing CD-CH / MD-CH



AUXy



- ! DNPS: Disc name preset (page 22)
- ! SNPS: Station name preset (page 22)
- The disc title when playing a CD-CH is disc.
- Track text, track title is track text
- Is displayed.

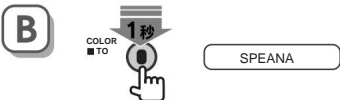


Set the information and colors to be displayed on the display.

Switching analyzers

Toggle the spectrum analyzer display.

1 Set to spectrum analyzer control mode

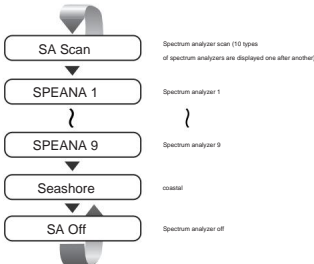


Press and hold until "SPEANA" is displayed.

2 Select an analyzer

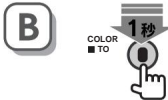


Each time you press it, it will switch in the following order.



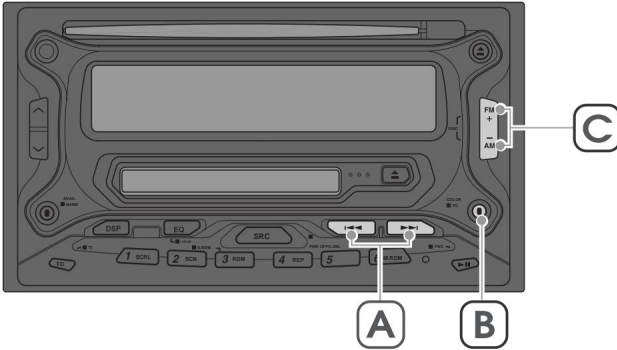
Switching the analyzer is a mode other than ALL OFF mode.  
It can be set during the mode.

3 Exit the spectrum analyzer control mode



Or do not operate anything for about 10 seconds or more.  
Put.

# ディスプレイコントロール



## Illumination color control Set the illumination color of the display

vinegar.

### 1 Set to Illumination control mode



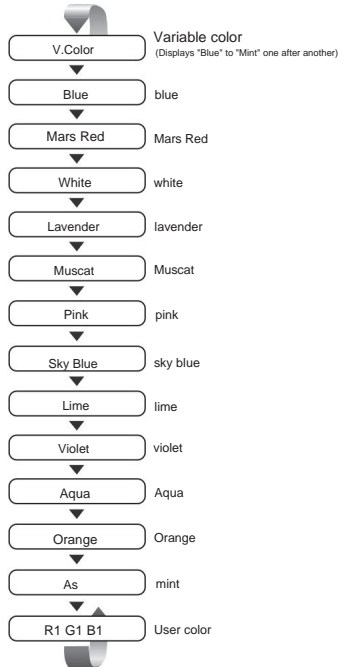
### 2 Select the illumination color



Each time you press it, it will switch in the following order.

"User color" is "Illumination user color setting"

The color adjusted in (next page) is recalled.



### 3 Exit the illumination control mode



Or do not operate anything for about 10 seconds or more  
Put.

### Illumination user color settings

You can freely adjust the display color.

#### 1 Set to Illumination control mode

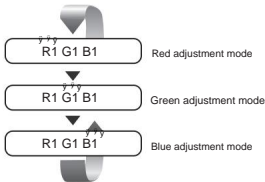


#### 2 Select the color to adjust

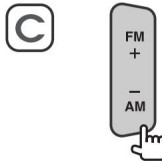


Illumination color is set to user color

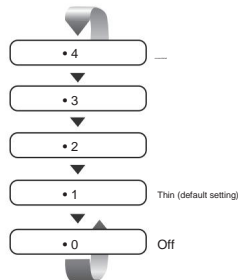
Each time you press it, it will switch in the following order.



#### 3 Adjust the illumination color



Each time you press it, each color will be cut as follows  
It will change.



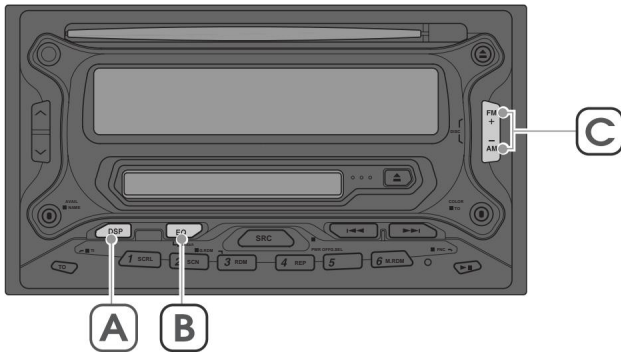
#### 4 Exit the illumination control mode



Or do not operate anything for about 10 seconds or more  
Put.

In "Illumination Color Control" (previous page)  
If you select "User color", you can adjust it here.  
The color is called.

# DSPコントロール /



## DSP selection

Call the pseudo-sound field effect using the DSP function increase.

### 1 Set to DSP control mode



DSP mode

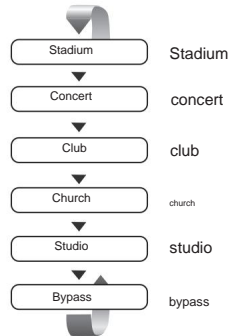
DSP when DSP control mode is on  
The indicator flashes.

- DSP settings are ALL OFF or modes other than traffic information.  
It can be set during the operation.
- Set the balance / fader to a position other than the center position  
And, the correct DSP effect cannot be obtained. DSP system  
Balance / Fadder to center position while Mu is on  
Please use it.
- The DSP function is automatically canceled during the traffic information mode.  
It will be.

### 2 Select the sound field



Each time you press it, it will switch in the following order.



DSP if nothing is operated for more than 10 seconds  
The control mode ends.

### To turn off the DSP system ...



DSP Off

Press and hold until "DSP Off" is displayed.  
The DSP effect is canceled.

# イコライザーコントロール Functional operation

You can select DSP (Digital Signal Processor).  
You can also set and adjust the equalizer curve.

## Equalizer Easy adjustment

Call the sound quality set for each genre, and then  
Set the strength of the effect of.

### 1 Set to equalizer easy mode

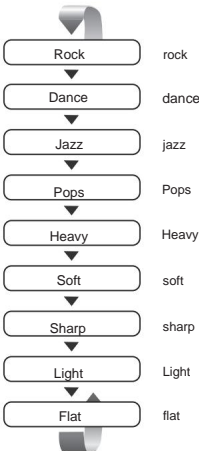


- Equalizer Easy Mode is "Function"
- "EQ" item in "Set" (page 34) is now "EASY"
- This can be done if it is set.

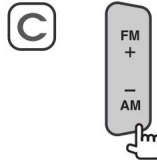
### 2 Select the equalizer curve



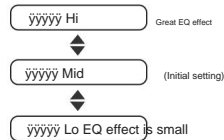
Each time you press it, it will switch in the following order. choosing  
The genre indicator flashes.



### 3 Adjust the sound quality effect of the equalizer

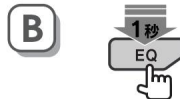


Each time you press it, it will switch in the following order.  
"\*\*\*\*\*" is the equalizer curve "Rock"  
~ "Light" is displayed.



- When the equalizer curve is "Flat", the sound quality effect  
It cannot be adjusted.

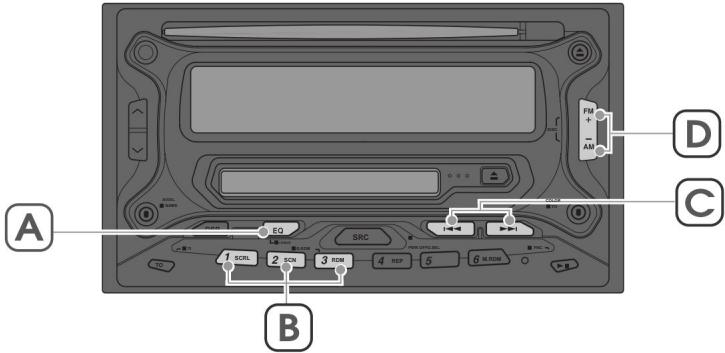
### 4 Exit the equalizer easy mode.



Equalizer Easy if you hold it down for 1 second or longer  
The mode ends.  
Or do not operate anything for more than 10 seconds

vinegar.

# イコライザーコントロール



## Equalizer Pro Adjustment

Adjust the sound quality set for each genre to your favorite sound quality Knot.

### 1 Set to equalizer pro mode



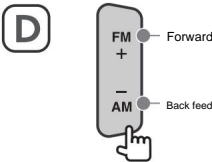
- Equalizer Pro mode is "Function set"
- The "EQ" item in "To" (page 34) is set to "PRO".
- You can do it if you have.

### 2 Select the equalizer curve



Equalizer Easy Adjustment (page 29)  
Select the equalizer curve by referring to step 2.  
To do.

### 3 Select the sound quality effect setting item.



### 4 Select the value of the sound quality effect



The items and values that can be set are as follows.

Setting items	Set value
Low F* (bass center frequency)	60/70/80/100 or 150 (Hz)
Bas LV (bass level)	ŷ12ŷŷ12
Bas Q* (Bass Quality Factor)	1.0/1.25/1.5/2.0
EXT* (Basic center frequency stretch)	On/Off
Mid F* (mid-bass center frequency)	500/1.0k/1.5k / 2.0k(Hz)
Mid LV (Mid-low range)	ŷ12ŷŷ12
Mid Q* (Mid-Bass Quality Factor)	1.0/2.0
Three F* (treble center frequency)	10.0/12.5/15.0 / 17.5(kHz)
Three LV (Treble level)	ŷ12ŷŷ12

5 Exit equalizer pro mode



Press and hold for 1 second or longer to promote the equalizer Will end.

Or do not operate anything for more than 10 seconds

vinegar.

- For detailed functions of items marked with \*, See "Help? Word" (page 42).
- Use the method on the right page to set the values set in steps 3 and 4. You can molly or call. Each setting After adjusting the items, "User" is displayed.
- For Bas Q (bass quality factor) settings  
Bass F (bass center frequency) configurable circumference The wave number changes as follows.

Bas Q set value	Bas F configurable value
1.0/1.25/1.5	60/70/80/100(Hz)
2.0	60/70/80/150(Hz)

Equalizer Pro Memory

Memory of up to 3 types of equalizer pro settings You can keep it.

1 Set the equalizer curve

See "Equalizer Pro Adjustment" (previous page) Then perform steps 1 to 4.

2 Select the button to memorize (one of 1 to 3)



Memory 2

Press and hold until "Memory •" is displayed.

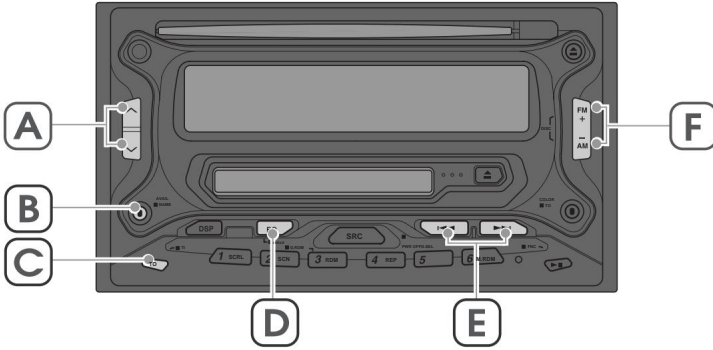
When calling Equalizer Pro Memory ...

During equalizer pro mode ...



Memory 2

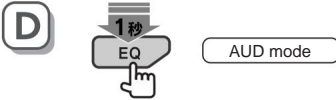
# オーディオコントロール



## Audio control

Set the volume balance.

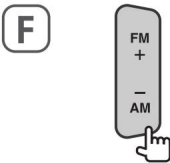
### 1 Set to audio control mode



Press and hold until "AUD mode" is displayed.

! Audio control is not in ALL OFF mode  
It can be set during the mode.

### 2 Select the item to set



### 3 Select a value



The items and values that can be set are as follows.

Setting items	Set value
BALL (Left and right volume levels)	<b>L15y00yR15</b> (Left) (right)
FAD (volume level before and after)	<b>R15y00yF15</b> (rear) (front)
N-F (Non-fedder output setting)	On/Off

(Bold is the default value)

! "NF" setting is "Function set" (page 34)  
When the "Pout" item of is set to "NF"  
You can choose.

### 4 Exit the audio control mode





Adjust the sound quality balance, etc.  
Also, set the volume when receiving traffic information.

Traffic information volume setting

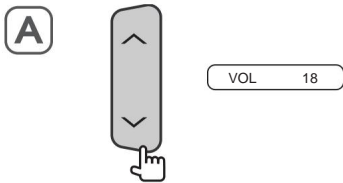
The volume when receiving traffic information is memorized.

1 Set to traffic information mode



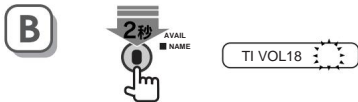
Press and hold until "TRAFFIC" is displayed.

2 Set the volume you want to set



3 Memory the volume

While displaying the volume ...



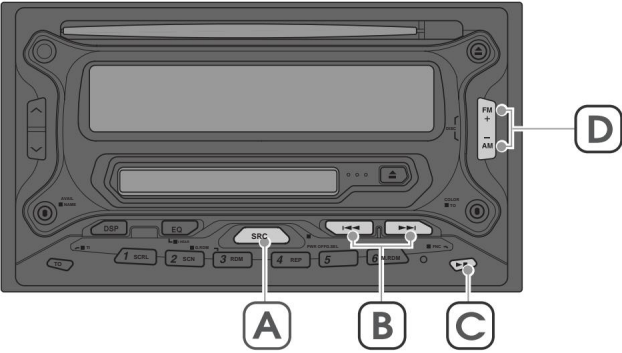
While the volume is displayed, press and hold until the volume display flashes once.

4 Exit the traffic information mode



Press for 1 second or longer to cancel the traffic information mode. The next time you switch to traffic information mode, the volume will automatically be set.

# Function



## Function set

Set various functions such as beep sound during operation.

### 1 Set to a mode with setting items

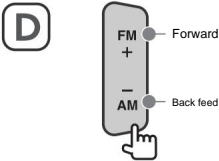


### 2 Set to function set mode



Press and hold until "Function" is displayed.

### 3 Select the item to set



The setting items are switched in the order shown in the table on the right.

- For detailed functions of items marked with \*,
- See "Help? Word" (page 42).

### 4 Select the set value



The items and values that can be set are as follows.

The setting of the "EQ" item can be switched by the following method. increase.

How to switch "EQ" items



"EQ EASY" and "EQ" each time you press for 1 second or longer PRO "switches.

Set various functions of this unit.

In ALL OFF mode

Setting items	Set value
COL * (Display color mode setting)	Sync/Fix
CONT * (Contrast adjustment of characters on the display)	1/7/11
BEEP *	On/Off
Pout * (pre-out output selection)	N-F/F/R
Group * (Group management function setting)	On/Off
Open * (demonstration when the power is turned on)	On/Off
EQ * (adjusting the equalizer)	EASY/PRO

(Bold is the default value)

In MD / CD-CH / MD-CH mode

Setting items	Set value
SCL * (Title / Text Auto Scroll)	Auto / Manu

(Bold is the default value)

During MD play and MD-CH play, or CD-CH pre  
It can be set at each time.

In TUNER mode

Setting item	Setting value
Auto / Manual * (Tuning mode)	Auto 1/ Auto 2/ Manual
MONO * (FM broadcast monaural tuning)	On/Off
A- Memory	The setting method is 21 View page Please.

(Bold is the default value)

"MONO" item can be set when receiving FM broadcast  
Become.

5 Exit the function set mode



# Help ? Operation

## Power does not turn on

- The fuse is blown.
- The connection of the input / output cable, power cord, power control cord, etc. is incorrect.

- Make sure that the cords are not short-circuited, and then replace with a fuse of the same capacity. • See "Connecting" (page 48) and reconnect correctly.

## No sound / low sound

Fedder and balance are on one side.

Adjust the fader and balance correctly. (Page 32)

## Does not work even if the operation switch is pressed

The built-in microcomputer is malfunctioning.

Press the reset button. (Page 8)

## Poor sound quality (sound is distorted)

- The volume is too loud. • The speaker cord is caught in the screw on the vehicle side. • The speaker wiring is incorrect.
- The tuner is set to have a strong DSP effect (Church, etc.).

- Adjust the volume properly. • Check the speaker wiring.
- Connect the speaker output terminal to each speaker correctly.
  - Turn off the DSP or change to a less effective setting. It may be distorted depending on the reception status of the tuner. (Page 28)

## Tuner sensitivity is poor

- The car antenna is not extended. • The antenna control power supply is not connected.
- The antenna input is not properly connected.

- Extend the antenna sufficiently. • See "Connecting" (page 48) and reconnect correctly.
- Make sure to connect the antenna input securely.

## Pressing the SRC button does not switch to the desired source

- The separately sold unit required to listen to each source is not connected. • Reset button after connecting the separately sold unit is not pressed. • The ON switch of the separately sold unit is set to the O side. • You are using a disc changer that this unit does not support.

- It does not switch to a source that is not connected. See "Connecting" (page 48) to connect correctly. • Press the reset button. (Page 8)
- Set the ON switch to the N side.
- Please use a compatible model disc changer. (Page 8)

## CD/MD/Change mode

### Pressing the SRC button does not switch to a disc (CD / MD)

The disc is not set.

Set the disc to play.

### Disc (CD / MD) does not fit

There is already a disc in it.

Please remove the contained disc before inserting it.

### I can't eject the CD

The disc is stopped in the middle of ejecting.

Press and hold the CD EJECT button until the CD ejects.

### MD is not pulled in

The direction to insert the MD is wrong. Or it is turned inside out.

Please insert in the correct direction.

### Sound skips due to vibration while playing a disc (CD / MD)

• The mounting angle exceeds 30 °. • Installation is unstable.

• Reinstall so that the temperature is 30 ° or less. • Reinstall it firmly. If the sound skips even when the vehicle is parked or stopped, or if the sound skips at the same location, the cause may be the disk.

### I can't eject the disc

More than 10 minutes have passed since the vehicle's ACC switch was turned off.

You can eject the disc within 10 minutes after turning off the ACC switch. If more than 10 minutes have passed, turn ACC on again and then press the eject button.

### Can't play CD

• The CD is inside out.  
• The CD is abnormally dirty.  
  
• There is condensation. • The CD has not been detected internally.

• Please insert it again with the label side facing up. • See "Handling CDs and MDs" and clean the CDs. give me. (Page 10) • Leave it for a while before using it. (Page 9) • Press the reset button to eject the CD, and then re-CD. Please insert.

### CD-R and CD-RW cannot be played

• The finalization process has not been performed.  
  
• You are playing on a CD changer that does not support CD-R / CD-RW.

• Perform the finalization process with a CD recorder. For the finalizing process, refer to the instruction manual of your CD-R / CD-RW writing software or CD-R / CD-RW recorder. • Play with a CD changer that does not support CD-R / CD-RW.

Hum.

# Help ? Operation

## CD/MD/Change mode

### Text / title is not displayed

• The disc changer used is a disc changer released before 1997, and there is no "ON" switch. • Of the disc changer you are using  
The "ON" switch is set to "O".

- Use a disc changer released after 1998. when.
- Set the "ON" switch of the disc changer to "N". give me.

### Even if you select a song, it does not switch to the desired song

Random play is turned on.

Turn off random play. (Page 17)

### Just play the same song over and over, but don't move on to the next song

Track repeat play is turned on.

Turn off track repeat play. (Page 16)

### Only the beginning of the song is played

Scan play is turned on.

Please turn off scan play. (Page 18)

### Songs are not played in sequence

Random play is turned on.

Turn off random play. (Page 17)

### Discs in changer do not play in sequence

Magazine Random Play is turned on.

Turn off Magazine Random Play. (Page 17)

### Only the same disc in the changer is played

Disc repeat play is turned on.

Turn off disc repeat play. (Page 16)

### I can't search for tracks

I'm trying to search for the previous song on the first track and the previous song on the last track.

You cannot track search from the first track to the last track, or from the last track to the first track, except during disk repeat.

### Changer magazine can't be random

There is only one disc in it.

Insert two or more discs.

### Characters do not scroll

Because the disk name is displayed.

Scrolled to disc / track text, disk / track title, and group title.

### Characters do not scroll in changer

Because the disk name is displayed.

Scrolled to disc / track title and disc / track text.

### Even if you switch to the title display with the changer, "No Title" / "No Text" is displayed.

No disc title, track title, disc text, or track text has been recorded.

Play discs with disc titles, track titles, disc texts, and track texts.

## MD Group

### Group Registered MDs are not played in the order they were registered

• Editing was performed using an editing machine that does not have the group function. • "/" is attached to the group title.

- Register the group again using an editing machine equipped with the group function.
- Do not add "/" to the group title because the group information cannot be recognized correctly.

### Disc title is not displayed correctly

Since the "Group" item of "Function set" is set to "Off", all disk titles and group titles are displayed.

Set the "Group" item in "Function Set" (page 34) to "On".

### I can't select the song I want to listen to

Not registered in the group.

"Group" item of "Function set" (page 34)  
Please set it to "Off" or register it in some group.

stomach.

### MD group function does not work

The "Group" item of the "Function set" is set to "Off".

Set the "Group" item in "Function Set" (page 34) to "On".

### MD play returns to the first song

The "Group" item of "Function set" was set.

If you set the "Group" item in the "Function set" (page 34) while playing the MD, the MD play will return to the first song.

# Help ? Operation

## Name Set

### Can't DNPS

- The connected CD changer does not support DNPS.
- I'm playing MD.
- The clock is displayed, or scan play or magazine random play is turned on.

- If the CD changer does not support the DNPS function, it can be used.
- I can't.
- DNPS cannot be used for MD.
- Clock is displayed, scan play, magazine random
- Please turn off play.

### The station name that should have been registered has disappeared

- Registered the station name of the 31st station.
- Because the unit was removed from the battery.

- You can register up to 30 station names.
- The station name will be erased when the unit is removed from the battery.
- Will be done.

### The disk name that should have been registered has disappeared

- The 11th disc name has been registered in this unit.
- Or, the number of registered CD changers has been exceeded.
- Because the unit was removed from the battery.

- Up to 10 disc names can be registered in this unit. For the number of CD changers that can be registered, see the instruction manual for the CD changer.
- If you remove the unit from the battery, the disc name will be erased.
- increase.

### The disc name is displayed incorrectly

- A disc with the same total recording time and number of tracks has already been registered.

- There is no way to identify it.

## Display/DSP/Equalizer Control

### Cannot switch analyzer

- You are in ALL OFF mode.

- Press the SRC button to switch to the audio source and then switch the analyzer.

### DSP effect cannot be obtained

- It is a two-speaker system.
- The front and rear speakers, or the right and left speakers, are connected in reverse.
- The polarity of the speaker is connected in reverse.
- The fader or balance adjustment is offset to one side.

- Use a 4-speaker system.
- See "Connecting" (page 48) and reconnect correctly.
- Adjust the fader and balance correctly. (Page 32)

### The effect of DSP or equalizer cannot be obtained.

- You are in traffic information mode.



- During the traffic information mode, the DSP function or equalizer function is automatically temporarily canceled.



## The invalid operation is displayed and notified as follows.

Error 04	: • The disc is abnormally dirty. • The disc is turned inside out. • There are many scratches on the disc. • There is no disc in it. • The tray is not included. \\ Please use another disc.
Error 12	: The MD you tried to play is the MD for data. \\ Take out the MD for data and insert the MD for music.
EJECT	: • The disc magazine is not set. • The disc magazine is not completely inserted. Such
No Disc	: There are no discs in the disc magazine.
No Name:	• Station name Let's display the station name while receiving a station that is not preset. And said. • Disc name Attempts to display the disc name while playing a non-preset CD <small>Use field.</small>
No Title	: MD that is recorded with characters whose title cannot be displayed, or MD that is not recorded with a title During a performance, I tried to display the disc title or track title.
No Text	: Disc title or track title table while playing a CD with no CD text recorded I tried to show it.
No Track	: Nothing is recorded on the MD you tried to play.
Blank	: No data is recorded on the MD you tried to play.

## The system status will be displayed and notified as follows.

Error 77	: It is not working properly for some reason. \\ Press the reset button on this unit. If "Error 77" does not disappear, it is near you. Please contact the Kenwood Service Counter.
Hold	: When the internal temperature of the CD player or disc changer of this unit rises above 60 ° C, the protection circuit will be activated. It may work and stop working. At this time, this display appears. \\ Please use after lowering the temperature of the place where this unit or disc changer is installed. <small>stomach.</small>
Error 99	: • There is something wrong with the disc magazine. \\ Take out the disc magazine and check the inside of the disc magazine. • It is not working properly for some reason. \\ Press the eject button. When the display does not disappear even if the eject button is pressed Press the reset button of this unit. If the display does not disappear, Ken near you Please contact the Wood Service Counter.
 (Blinking):	The CD player is not working properly. Remove the \\ CD and then reinsert the CD.
 (Blinking):	MD player is not working properly. Take out the \\ MD and then insert the MD again.

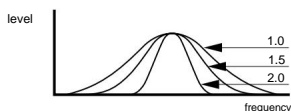
# Help ? Word

## Bas F / Mid F / Tre F (bass

frequency / middle frequency / treble frequency) You can use this function to set the frequency (center frequency number) that adjusts the bass, midrange, and treble.

## Bas Q / Mid Q (Bass

Quality Factor / Middle Quality Factor) This function sets the adjustment slope for bass and midrange. The larger the setting value, the greater the slope of the slope.



## When

you press

the BEEP button, you will hear a beep so that you can confirm that it has been pressed. When you press and release it immediately, you will hear a beep, and when you press it for 1 second or longer or 2 seconds or more to turn on the function, you will hear a beep. If you feel noisy, you can turn it off by turning it "Off". The beep sound is not output from the pre-out.

## COL

(Variable Color) Sets

the color mode of the display.

Sync: The color of the display changes one after another while the volume is being adjusted and the attenuator is on.

Fix: The color of the display is fixed to the set color.

vinegar.

## CONT

(Contrast) This

function allows you to set the contrast of characters.

DSP: Digital Signal Processor This is a function that creates acoustic effects such as reflected

sound and reverberation sound by digitally processing music signals, and creates a pseudo sound field space such as a concert hall.

## EQ

(Equalizer Mode) There

are two equalizer modes, "EASY" and "PRO", and you can select the mode you want to use.

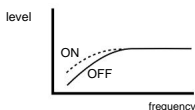
In "EASY" mode, you can select the equalizer curve (rock, pop, dance, etc.) set for each genre and adjust the strength of the effect.

In "PRO" mode, you can adjust each setting item in addition to selecting the equalizer curve. (See pages 29-31 for how to adjust)

## EXT

(Extended) When this

function is set to ON, the bass center frequency is extended to the low frequency side by about 20%.



## Group

When this function is

turned on, you can use the group search, group repeat play, scan play, group random play, and group select MD group functions while playing a group registered MD. I can do it. At this time, songs not registered in the group will not be played. Please subscribe to some group or turn off this feature.

See also "Help? MD Group" (page 44) for the MD group function.

---

#### MDLP

(MD LP) MD recording method standard. This unit can play MDs recorded in MDLP2 mode and MDLP4 mode.

---

#### MONO

(Monaural)

This function allows you to convert FM stereo broadcasting to monaural audio. When listening to an FM broadcast station with poor reception, making the audio monaural may reduce noise and make it easier to hear.

---

#### Open

You can set whether or not to display the demonstration when the power is turned on.

---

#### Pout

This is an audio output for connecting to an external amplifier (sold separately). The pre-out can be switched to front output, rear output, or non-fedder output.

F: Front output R:

Rear output NF: Non-

fedder output (output that is not affected by the fader adjustment of the audio control) Since it is not affected by the fader adjustment, it can be used as an output for the subwoofer.

---

#### SCL

(Scroll) This

function scrolls and displays when the disc / track title or disc / track text is selected on the display and cannot be displayed due to the large number of characters. If this function is set to "Auto", scrolling will be repeated, and if it is set to "Manu", scrolling will be performed only once when the display changes.

---

Tuning mode You can set

how to search for a broadcasting station.

Auto 1: Automatically find the station.

Auto 2: Receives the stored stations in order.

Manual: The frequency changes step by step.

---

Disc changer Externally

connected CD changer (KDC C510, etc.), MD changer (KMD-C30, RJ-480, etc.), and multi-disc changer (VD-C77, etc.).

---

Traffic information:

TI (Traffic information) Traffic information

is broadcast on a fixed frequency on highways. This function allows you to quickly select the frequency of traffic information even when listening to a disc.

# Help ? MD Group

With this unit, you can quickly select the song you want to listen to by selecting a group from the grouped MDs (group registered MDs).  
Equipped with a selectable group management function.  
(For details on how to create an MD, see the instruction manual for an MD recorder equipped with a group function.)

Maximum number of playable groups

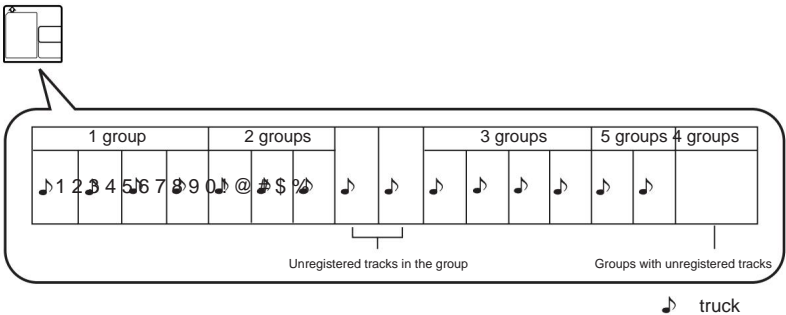
The number of groups that can be played on this unit is up to 50th. Groups registered after the 51st cannot be played.

The order in which the songs registered in the group are played

Track search, group search, and group select on discs created in groups such as:










If you do, it will look like this: The group management function is in "Function Set" (page 34).

It can be used when the "Group" item is set to "On".





- If the group management function is set to "On", tracks that are not registered in the group will not be played. You can listen to all songs by setting the group management function to "Off".
- Groups for which tracks are not registered cannot be selected by group search or group select.



j If you perform a track search during playback ...

Button operation Current track No.		
 6	 The beginning of 6 →  5  ...	 7  →  ...

j If you perform a group search during P playback ...

Button operation Current group No.		
3 groups	2 groups 1-group ...	4 groups 1-group ...

When you do a group select ...

Button operation Current group No.		
2 groups	1 group	3 groups 4-groups



- If you perform group select while playing any song, group select will start from the first grape.
- The above explanation describes an operation example when pressing once to select 2 groups.



# 取り付け時のご注意



## warn



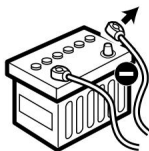
prohibit



Do not use on 24V vehicles such as heavy-duty trucks and cold-weather diesel vehicles. It may cause a fire. This product is for DC12V-earth vehicles only.



ý Shi



Before wiring, remove the terminal of the battery. It may cause electric shock or injury due to a short circuit accident.



ý Shi



Be sure to wire this product as described in the instruction manual. Incorrect wiring may cause a fire or other accident.



prohibit



Never uncover the cord to power other equipment. It may exceed the current capacity of the lead wire and cause a fire or electric shock.



prohibit



Do not install this product in a place that obstructs the front view, a place that obstructs driving operation, or a place that poses a danger to passengers. It may cause a traffic accident or injury.



ý Shi



When installing this product, be sure to use the attached mounting parts. If you do not use the mounting accessories, the inside of the product may be damaged and a fire may occur due to a short accident. In addition, improper installation may cause the product to come off during operation and hit a person, resulting in injury.



prohibit

Do not attach the ground cord to bolts or nuts of critical safety components such as steering or brake line systems. It may cause an accident.



prohibit



Do not extend it with anything other than the vehicle power wiring cord. The cord coating is easily torn, and there is a risk of fire due to a short circuit or heat generation accident. In addition, there is a risk of fire due to excess current capacity.



Notice



When installing by making holes in the car body, check the positions of pipes, tanks, electrical wiring, etc., and make sure that they do not come into contact with or come into contact with them. It may cause a fire.



ŷ Shi



Wrap protective tape around the cord that passes near the sheet metal part of the vehicle. If the cord is broken, a short-circuit accident may result in a fire.



ŷ Shi



After installing this product, check that the brake lamps, headlamps, turn signals, wipers, etc. of the car operate normally. If it does not work properly, re-install it so that it works normally.



ŷ Shi

Make sure that the fuse capacity of the vehicle power supply to which the battery power supply (yellow) is connected is equal to or greater than the fuse capacity (10A) of this machine. When connecting an optional power amplifier, etc., make sure that the total fuse capacity between them and this unit is less than or equal to the fuse capacity on the vehicle side. If it exceeds, take power directly from the battery. If you connect a power supply that exceeds the fuse capacity on the vehicle side, the current capacity of the lead wire may be exceeded, causing an accident such as a fire.



Notice

If the fuse of this product or vehicle is blown, make sure that the cord is not short-circuited, and then replace it with a new fuse of the capacity (amp count) indicated on the fuse. Using a fuse with a capacity other than the specified capacity may cause a fire.



ŷ Shi

To prevent accidents, keep small items such as batteries and screws out of the reach of children. If swallowed, consult a doctor immediately.

# 接続



Action

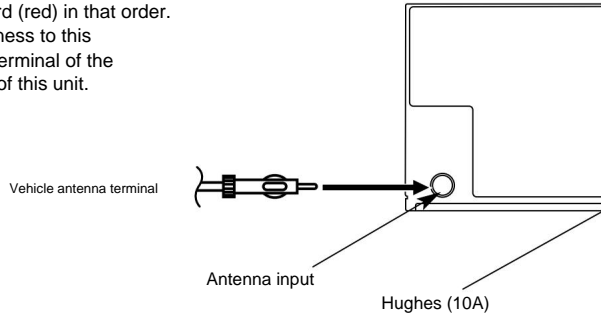
After confirming that the engine key has been removed first, be sure to remove the terminal of the battery to prevent a short circuit accident.

1. Remove the engine key. 2.

**Check** the input / output code of each set and connect.

3. Connect the speaker cord of the power harness. 4. Connect the power cord to the ground cord (black), battery power cord (yellow), and accessory power cord (red) in that order.

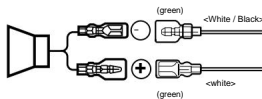
5. Connect the connector of the power harness to this machine. 6. After installation, connect the terminal of the battery. 7. Press the reset button (page 8) of this unit.



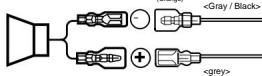
If the fuse blows, check that the cord is not short-circuited, and then replace it with a new fuse with the capacity (amperage) indicated on the fuse. Hi other than the specified capacity Note Using the use may cause a fire.

## How to connect speakers with 2 speakers

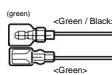
Left speaker



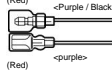
Right speaker



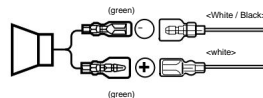
Do not connect



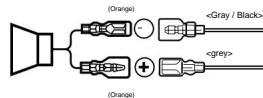
Do not connect



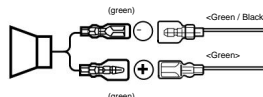
Front left speaker



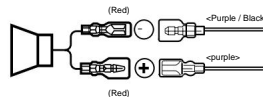
Front right speaker



Rear left speaker



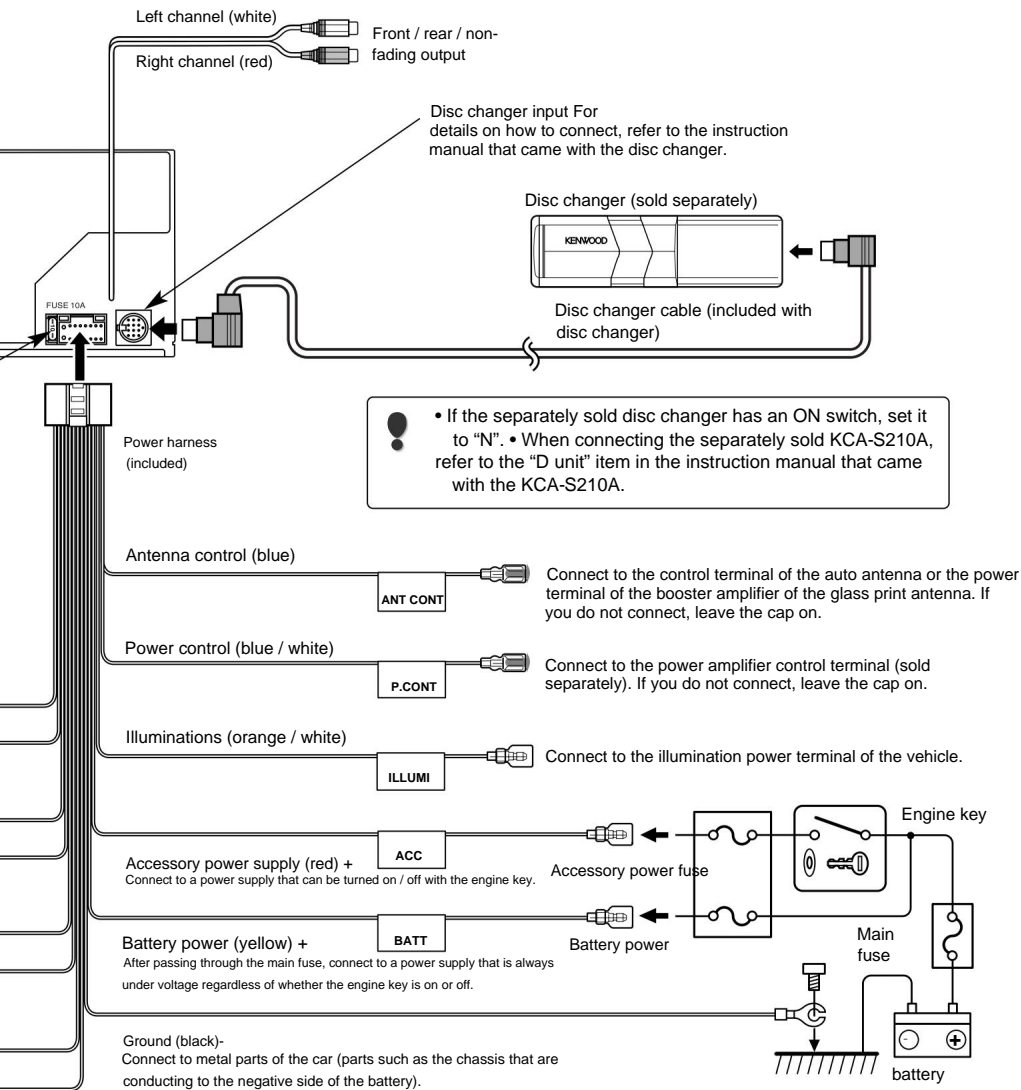
Rear right speaker



Notice

• Do not touch the + -terminal of the speaker cord to the chassis of a car. • Common-terminals for multiple speaker cords Please do not connect.





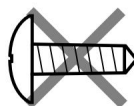
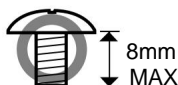
# 取り付け

Use the included truss screw (M5 x 6 mm) or flat screw (M5 x 7 mm) to attach it to a vehicle bracket.



- Be sure to use the attached screws for mounting.

If you use a long screw other than the one provided, the inside of the machine may be damaged or smoke may be emitted. Also, if you use short screws, the machine may come off from the vehicle bracket. The mounting screws come with truss screws. Use the screws that match your vehicle.

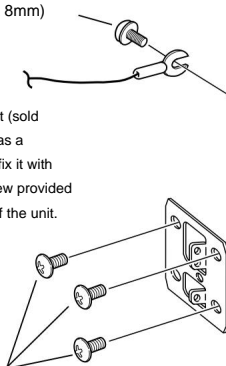


- If you want to check the operation with a disc before mounting, set the machine horizontally. Please load / eject.

Semis screw (M4 x 8mm)  
(included)

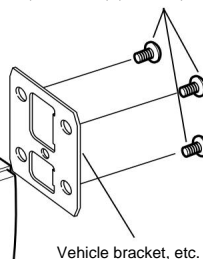


If the wiring kit (sold separately) has a ground cord, fix it with the semis screw provided on the back of the unit.

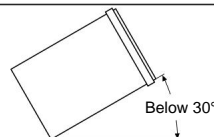


Truss screw (M5 x 6mm) (included)  
or flat screw (M5 x 7mm) (included)

Truss screw (M5 x 6mm) (included)  
or flat screw (M5 x 7mm) (included)



- Install the unit so that the mounting angle is 30 ° or less. Installing at an angle of 30 ° or more may cause skipping. • Do not attach / detach by holding the operation panel. It may be damaged.



By using the wiring kit and mounting kit (sold separately), you can get the best fit for your car. Kits are available depending on the model of vehicle to be installed. Please see the catalog for details.

# 保証とアフターサービス

## About warranty

- Warranty

card A warranty card is attached to this product separately. Be

sure to check the "date of purchase / store" and other information on the warranty card, receive it from the store, read the contents carefully, and keep it in a safe place.

- Warranty period

One year from the date of purchase.

## When requesting repair

See "Help? Operation" to find out. If the problem still occurs, turn off the product and contact the store where you purchased the product, Kenwood Service Center, service station, or sales office. (Please refer to the attached "Kenwood National Service Network".)

If sent for repair, all the memory contents registered and set by the customer may be erased. Please note.

- During the warranty period ...

The repair will be done by the store where you purchased the product, Kenwood Service Center, service station, or sales office in accordance with the provisions of the warranty card. Please present the warranty card when making a request.

The warranty does not cover damage caused by causes other than this unit (impact, moisture, foreign matter, etc.). Please see the warranty for details.

- After the warranty period has

expired ... Please contact the store where you purchased the product, Kenwood Service Center, service station, or sales office. If the function can be maintained by repair, we will repair it for a fee at the request of the customer.

The holding period of performance parts for repair is 6 years after the production is discontinued. (Performance parts for repair are parts necessary to maintain the function of the product.)

- Bring-in repair

This product will be brought-in repair. • When you

bring this unit with you, bring the connected unit with you.

(Remove the disc in the unit and the unit brought with it in advance.) • When you bring the product for repair, wrap it to prevent it from being scratched during transportation.

- Mechanism of repair fee (In the case of paid repair, the following fee is required.) • Technical fee: It is a fee for repairing a defective product to a normal state.

Includes personnel costs for engineers, technical education costs, equipment costs for measuring instruments, general and administrative costs, etc.

- Parts cost: The parts cost used for repair. Other parts that accompany repairs may be included.

If you have any questions about after-sales service, please do not hesitate to contact the store where you purchased the product, Kenwood Service Center, or sales office.

# 仕様一覧

• FM tuner section	Receive frequency range (frequency step) 76.0 MHz to 90.0 MHz (100 kHz) Use sensitivity (S/N: 30 dB) S/ N 50 dB sensitivity cycle number characteristics (±3.0 dB) S/N ratio selection (±400 kHz) Stereo separation 40 dB (1 kHz)	9.3 dBf (0.8 $\mu$ V / 75 $\Omega$ ) 15.2 dBf (1.6 $\mu$ V / 75 $\Omega$ ) 30 Hz to 15 kHz 75 dB (MONO) 80 dB or more
• AM tuner section	reception frequency range (frequency step) 522 kHz to 1629 kHz (9 kHz) Sensitivity 28 dB $\mu$	
• CD player section	Laser diode GaAlAs ( $\lambda$ = 780 nm) Digital filter (D / A) 8x oversampling D / A converter 1 Bit The number of hops is 500 $\pm$ 200 rpm (linear speed is constant) Wow and flutter Below the measurement limit Frequency characteristics 10 Hz to 20 kHz ( $\pm$ 1 dB) Harmonic distortion rate 0.01% (1 kHz) Signal-to-noise ratio 93 dB (1 kHz) Dynamic range 93 dB Stereo separation 85 dB	
• MD player section	Laser diode GaAlAs ( $\lambda$ = 780 nm) Digital filter (D / A) 8x oversampling D / A converter 1 Bit The number of hops is 400 $\pm$ 300 rpm (linear speed is constant) Wow and flutter Below the measurement limit Frequency characteristics 20 Hz to 20 kHz ( $\pm$ 1 dB) Harmonic distortion rate 0.005% (1 kHz) Signal-to-noise ratio 90 dB (1 kHz) Dynamic range 90 dB Stereo separation 85 dB	
• Audio section	Maximum output 47 W x 4 Rated output 29 W x 4 (4 $\Omega$ , 1kHz, 10% THD) Pre-out level (FM) Pre-out impedance 600 $\Omega$ or less 1.5 V / 10 k $\Omega$	
• Power supply	Power supply voltage 14.4 V (11-16 V) Maximum current consumption 10 A	
Dimensions / mass	Embedded dimensions (W x H x D) Mass (weight) 2.2 kg	178 x 100 x 155 mm
• Accessories	Power harness 1 piece Truss screw (M5 x 6 mm) 6 pieces Flat screw (M5 x 7 mm) 6 pieces Semis screw (M4 x 8 mm) 1 piece	

\* These specifications and designs are subject to change without notice due to technological development.

# KENWOOD

株式会社 ケンウッド

2967-3 Ishikawamachi, Hachioji-shi, Tokyo 192-8525

- For product inquiries, please use the Customer Support Center. Customer Support Center  
(Tokyo) Phone (03) 3477-2801 FAX (03) 3477-5334 3-17-9 Aobadai, Meguro-ku, Tokyo 153-0042 (Osaka) Phone (06) 6394-8085 FAX (06)  
6394-8308 2-1-22 Nonakakita, Yodogawa-ku, Osaka 532-0034 Reception hours 9:00 to 18:00 (Saturdays,  
Sundays, national holidays and our holidays are closed)
- For after-sales service, refer to the store where you purchased the product or the attached "Kenwood National Service Network".  
Please contact your nearest service station, service center, or sales office.